FEDERAL-STATE
COOPERATIVE SNOW SURVEYS and IRRIGATION WATER FORECASTS

for

NEVADA

April 1,1949

by

Division of Irrigation, Soil Conservation Service
United States Department of Agriculture
Nevada Agricultural Experiment Station
and
Nevada State Engineer

Data included in this report were obtained by the agencies named above in cooperation with other Federal, State, and local organizations listed on the last page of this report.

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FOR

NEVADA

Report Prepared

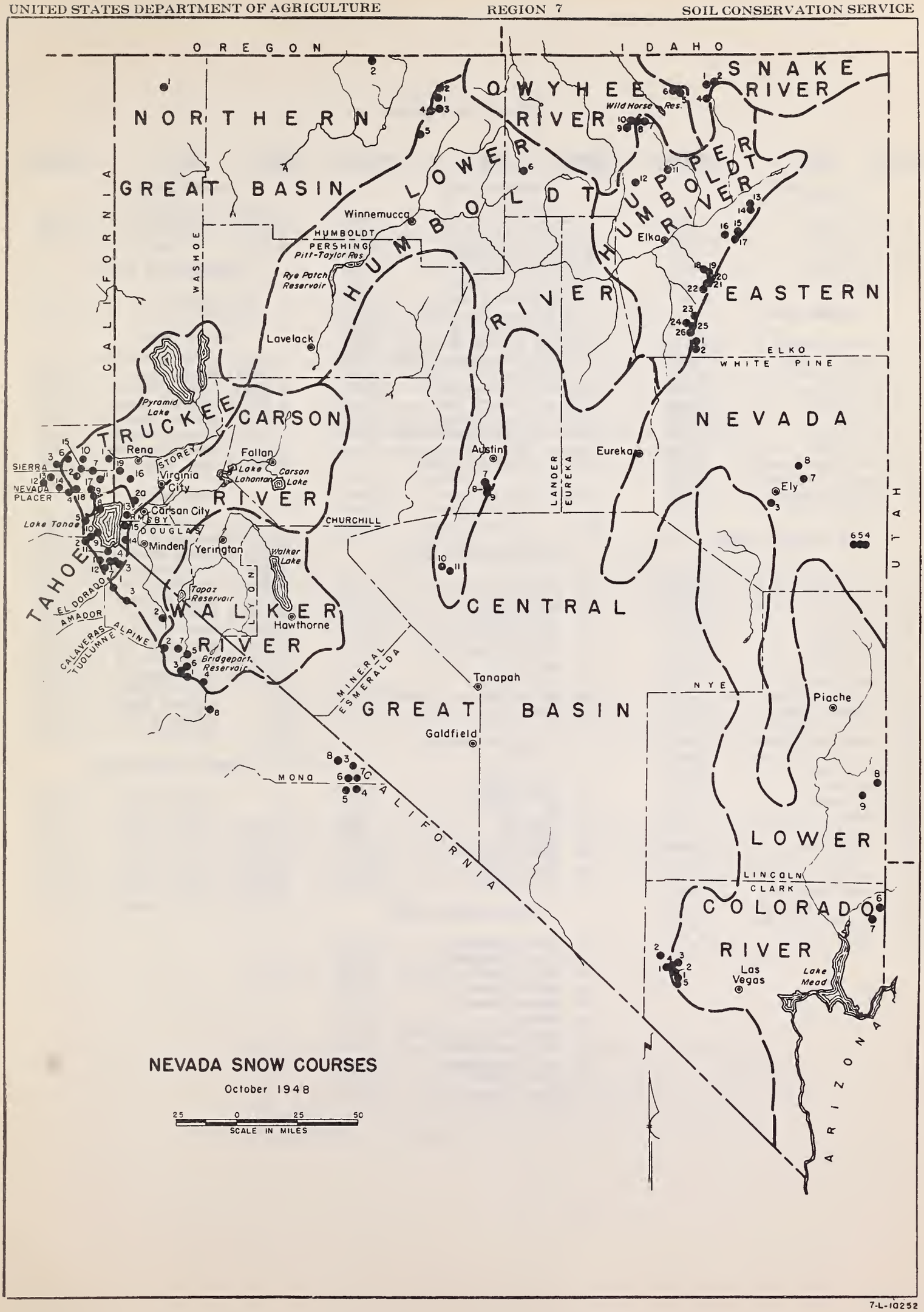
by

Clyde E. Houston, Irrigation Engineer
Division of Irrigation
Soil Conservation Service

and

H. P. Boardman-Chairman
Nevada Cooperative Snow Surveys

Division of Irrigation
Soil Conservation Service
Nevada Agricultural Experiment Station
Reno, Nevada


OREGON
IDAHO
CALIFORNIA
UTAH
ARIZONA
NORTHERN GREAT BASIN
OWYHEE RIVER
SNAKE RIVER
LOWER HUMBOLDT RIVER
UPPER HUMBOLDT RIVER
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TRUCKEE CARSON RIVER
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Wild Horse Res.
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PERSHING
Pitt-Taylor Res
Rye Patch Reservoir
Lovelock
Elko
ELKO
WHITE PINE
Pyramid Lake
Rena
STOREY
Virginia City
Fallon
Lake Lahontan
Carson Lake
Carson City
RAGSBY
DOUGLAS
Minden
Yerington
Walker Lake
Hawthorne
Topaz Reservoir
Bridgeport Reservoir
Lake Tahoe
SIERRA
NEVADA
PLACER
EL DORADO
AMADOR
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TUOLUMNE
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NYE
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EUREKA
CHURCHILL
Austin
Eureka
Ely
Tonopah
Goldfield
Piache
LINCOLN
CLARK
Las Vegas
Lake Mead
NEVADA SNOW COURSES
October 1948
25 0 25 50
SCALE IN MILES

INDEX TO SNOW COURSES

NUMBERS	NAME	ELEVATION
	SNAKE RIVER	
1.	Bear Creek	7,800
2.	Fox Creek	6,800
4.	76 Creek	7,100
5.	Gold Creek	6,600
6.	Big Bend	6,700
	OWYHEE RIVER	
1.	Lower Buckskin	6,700
2.	Upper Buckskin	7,200
3.	Martin Creek	6,700
4.	Granite Peak	7,800
5.	Gold Creek	6,600
6.	Big Bend	6.700
7.	Fry Canyon	6,700
8.	Rodeo Flat	6,800
9.	Lower Jack Creek	6,800
10.	Upper Jack Creek	7,250
11.	Tremewan Ranch	5,700
12.	Taylor Canyon	6,200
	UPPER HUMBOLDT RIVER	
1.	Bear Creek	7,800
2.	Fox Creek	6,800
4.	76 Creek	7,100
5.	Gold Creek	6,600
6.	Big Bend	6,700
7.	Fry Canyon	6,700
8.	Rodeo Flat	6,800
9.	Lower Jack Creek	6,800
10.	Upper Jack Creek	7,250
11.	Tremewan Ranch	5,700
12.	Taylor Canyon	6,200
13.	Lower Trout Creek	6,900
14.	Upper Trout Creek	8,500
15.	Dorsey Basin	8,100
16.	Ryan Ranch	5,800
17.	Dry Creek	6,500
18.	Lamoille #1	7,100
19.	Lamoille #2	7,300
20.	Lamoille #3	7,700
21.	Lamoille #4	8,000
22.	Lamoille #5	8,700
23.	Green Mountain	8,000
24.	Harrison Pass #1	6,600
25.	Harrison Pass #2	7,400
26.	Corral Canyon	8,500

NUMBERS	NAME	ELEVATION
	TRUCKEE BASIN	
1.(Cal.)	Granite Peak	8,200
2.(Cal.)	Independence Lake	8,450
3.(Cal.)	Webber Peak	8,000
4.(Cal.)	Donner Summit	6,900
5.(Cal.)	Ward Creek	7,000
6.(Cal.)	Webber Lake	7,000
7.(Cal.)	Sage Hen Creek	6,500
8.(Cal.)	Tahoe City	6,250
9.(Cal.)	Truckee #2	6,400
10.(Cal.)	Independence Creek	6,300
11.(Cal.)	Boca #2	5,900
12.(Cal.)	Furnace Flat	6,600
13.(Cal.)	Fordyce Lake	6,500
14.(Cal.)	Soda Springs	6,750
15.(Cal.)	Independence Camp	7,000
16.	Mt. Rose	9,000
17.(Cal.)	Truckee Ranger Station	6,000
18.(Cal.)	Donner Lake	5,950
19.	Big Meadows	8,800
20.	Little Valley	6,300
	LOWER COLORADO RIVER	
1.	Rainbow Canyon	7,800
2.	Kyle Canyon	8,200
3.	Lee Canyon #1	8,300
4.	Lee Canyon #2	9,000
5.	Rainbow Canyon #2	8,100
6.	Mica Notch	6,000
7.	Dud Springs	6,000
8.	Mathew Canyon	6,000
9.	Pine Canyon	6,200
	EASTERN NEVADA	
1.	Cave Creek	7,000
2.	Eager Canyon	8,500
3.	Murray Summit	7,250
4.	Baker #1	7,950
5.	Baker #2	8,950
6.	Baker #3	9,250
7.	Berry Creek	9,100
8.	Bird Creek	7,500
	LOWER HUMBOLDT RIVER	
1.	Lower Buckskin	6,700
2.	Upper Buckskin	7,200
3.	Martin Creek	6,700
4.	Granite Peak	7,800
5.	Lamance Creek	6,600
6.	Midas	7,200
7.	Big Creek Camp Ground	6,000
8.	Big Creek Mine	7,000
9.	Upper Big Creek	8,000
10.	Lower Corral	7,500
11.	Upper Corral	8,500

NUMBERS	NAME	ELEVATION
	CARSON BASIN	
1.(Cal.)	Carson Pass	8,600
2.(Cal.)	Poison Flat	7,900
3.(Cal.)	Blue Lakes	8,000
	NORTHERN GREAT BASIN	
1.	Bald Mountain	6,720
2.	Disaster Peak	6,500
	WALKER BASIN	
1.(Cal.)	Center Mountain	9,400
2.(Cal.)	Sonora Pass	8,800
3.(Cal.)	Buckeye Forks	8,500
4.(Cal.)	Virginia Lakes	9,500
5.(Cal.)	Willow Flat	8,250
6.(Cal.)	Buckeye Roughs	7,900
7.(Cal.)	Leavitt Meadows	7,200
8.(Cal.)	Tioga Pass	9,900
	TAHOE BASIN	
1.(Cal.)	Lake Lucille	8,400
2.(Cal.)	Rubicon #1	8,100
3.(Cal.)	Hagans Meadow	8,000
4.(Cal.)	Freel Bench	7,300
5.(Cal.)	Ward Creek	7,000
7.(Cal.)	Upper Truckee	6,400
8.(Cal.)	Tahoe City	6,250
9.(Cal.)	Rubicon #2	7,500
10.(Cal.)	Rubicon #3	6,700
11.(Cal.)	Richardsons #2	6,500
12.(Cal.)	Echo Summit	7,500
13.	Marlette Lake	8,000
14.	Daggetts Pass	7,350
15.	Glenbrook #2	6,900
16.	Mt. Rose	9,000
	CENTRAL GREAT BASIN	
1.	Clark Canyon	9,000
2.	Trough Springs	8,500
3.(Cal.)	McAfee Forks	7,500
4.(Cal.)	Roberts Ranch	8,300
5.(Cal.)	Goat Springs	10,300
6.(Cal.)	Sage Hen Flats	10,500
7.(Cal.)	Ranger Station	9,500
8.(Cal.)	White Mountain	13,000

WATER SUPPLY OUTLOOK

NEVADA

APRIL 1, 1949

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* * * * * * * * * * * * * * * * * * * * * *
* Irrigation season water supplies will  *
* range from fair in Western to excell-  *
* ent in Eastern Nevada.   Snow water    *
* runoff of Eastern Sierra streams will  *
* vary from 70 to 95 percent of normal   *
* while Humboldt Basin streams will flow *
* from 100 to 200 percent of normal.     *
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Snow stored water in the Sierra is quite heavy at the lower elevations being about twice normal while the higher elevation snow is about normal. Low snow in Humboldt Basin is about twice normal while high snow is about 135 percent.

In general precipitation throughout the State is about normal or slightly below. Heavy snow cover at this date is due to extremely low temperatures during the winter.

Groundwater levels are down in the major irrigated valleys. This shortage will be replenished by surface runoff with a resultant decrease in available surface water.

Early season streamflow has been retarded by subnormal temperatures.

Reservoir storage is poor with total storage on April 1 about 80 percent of last year, 45 percent of the 1938-47 average, and 35 percent of the usable capacity. Lake Mead contains about 95 percent of last years storage on this date.

STREAMFLOW FORECASTS APRIL 1, 1949

Forecast Stream	April-July, inclusive streamflow Thousands Acre Feet							
	Forecast 1949	1938-47 Average	1949 as % 10 yr. Avg.	1901-45 Normal	1949 as % 45yr. Norm.	Measured Runoff 1948	1947	1946
Owyhee River nr. Owyhee, Nev.[1]	150	82	183	80	187	54	32	88
Lamoille Crk. nr. Lamoille, Nev.	32	29	110	30	107	25	25	30
So. Fk. Humboldt nr. Elko, Nev.	160	87	184	70	218	45	44	90
Humboldt River at Palisade, Nev.	300	247	121	200	150	104	94	256
Martin Crk. nr. Paradise, Nev.	14	16	87	20	70	13	7	14
West Carson at Woodfords, Calif.	50	63	79	65	77	45	35	55
East Carson nr. Gardnerville, Nev.	180	213	85	210	86	151	121	178
Carson River nr. Carson City, Nev.	160	206	78	200	80	132	93	172
Carson River at Ft. Churchill, Nev.	135	191	71	195	69	113	80	154
West Walker nr. Coleville, Calif.	165	163	101	175	94	109	104	149
East Walker nr. Bridgeport, Calif.[2]	65	77	84	75	87	32	31	56
Truckee River at Farad, Calif.[3]	250	272	92	290	86	211	127	268
Lake Tahoe[4]	359	692	52	583	62	465	611	737

1. Corrected for storage in Wildhorse Reservoir.
2. For period April through August corrected for storage in Bridgeport Reservoir.
3. Exclusive of Tahoe and corrected for storage in Donner, Independence, and Boca Reservoirs.
4. Maximum storage with gates closed.

Tahoe and Truckee Forecasts by Truckee Basin Water Committee.

STREAMFLOW FORECASTS APRIL 1, 1949

Snake River Basin in Nevada

Snow stored water on the headwaters of Salmon Falls and Bruneau River is about 150 percent of last year on this date and 150 percent of average.

Flow of Owyhee River near Owyhee, Nevada, for the period April through July is forecast at 150,000 acre feet. This is three times the flow last year or 187 percent of the 45 year normal. Wildhorse Reservoir contained 6,000 acre feet on April 1, or 20 percent of capacity. The reservoir will probably fill this season.

Upper Humboldt Basin

Snow stored water on the headwaters of Marys River, North Fork, and Susie, and Maggie Creeks is about twice normal at the low elevations and about 40 percent above at the high elevations. Snow is wind packed indicating gradual melting with late runoff.

From Trout Creek to Lamoille Creek snow stored water at the low elevations is about 200 percent of normal while there is about 115 percent at high elevations.

The April-July flow of Lamoille Creek near Lamoille is forecast at 32,000 acre feet. This is 30 percent better than last year and 10 percent above normal. South Fork of Humboldt near Elko is forecast to flow 160,000 acre feet. This is three times that available last year and twice normal.

The forecast flow of Humboldt River at Palisade for the period April-July is 300,000 acre feet or three times last year and 150 percent of normal. Cumulative discharge since October 1, is 70 percent of the median.

Lower Humboldt Basin

Snow stored water on the headwaters of Little Humboldt Basin is twice normal at low elevations and about normal at high elevations. The April-July forecast flow of Martin Creek near Paradise Valley is 14,000 acre feet. This is approximately the same as was available last year and is 70 percent of normal.

Snow stored water on the headwaters of Reese River is slightly better than last year and about 150 percent of normal.

Snow cover on Rock Creek is three times greater than normal with snow conditions similar to those in 1945.

Pitt-Taylor and Rye Patch Reservoirs contained 65,000 acre feet on April 1. This is approximately 50 percent of the storage on this date last year and 30 percent of capacity. Above average runoff from Upper Humboldt maybe sufficient to fill the reservoirs.

Northern Great Basin

Snow stored water contributing to Quinn River and McDermitt Creek is greater than normal and will cause these streams to flow about 25 percent above normal.

Eastern Nevada

Snow stored water above Steptoe and Ruby Valleys is much greater than normal. Snow surveys by the Fish and Wildlife Service at the south end of Ruby Valley indicate a snow cover twice normal.

The Snake Range contains 130 percent of last years snow and 120 percent of normal.

Snow water above the City of Ely is still heavy with the amount measured April 1 about twice normal or similar to that available in 1945.

Central Great Basin

Snow on the White Mountains above Fish Lake Valley in West Central Nevada is better than average. A new snow course near White Mountain Peak at 12,000 feet elevation established and surveyed in cooperation with the U.S. Navy and Deep Springs School measured 36 inches of snow and 15 inches of water.

Lower Colorado River in Nevada

Snow cover in the Mount Charleston area near Las Vegas is about 80 percent better than last year and 60 percent greater than the past 8 year average.

The heavy snow pack on Meadow Valley Wash is practically gone. Danger of high water from snow melt no longer exits.

Lake Mead contains about 1,000,000 acre feet less water than last year at this time.

Walker Basin

West Walker River near Coleville is forecast to flow 165,000 acre feet from April through July. This is 150 percent of last year and 95 percent of the 45 year normal. Cumulative discharge since October 1 is 50 percent of median. Topaz Reservoir contained 22,000 acre feet in storage on April 1. This is less than last year and only 40 percent of capacity. The Reservoir will probably fill this year.

[illegible]

Snow on the White Mountains above Fish Lake Valley in east Central Nevada is heavier than average. A new snow course near White Mountain Peak at 12,000 feet elevation established and surveyed in cooperation with the U.S. Navy and Deep Springs School measured 36 inches of snow and 13 inches of water.

Lower Colorado River in Nevada

Snow cover in the Mount Charleston area near Las Vegas is about 40 percent heavier than last year and 60 percent greater than the past 5 year average.

The heavy snow pack on Meadow Valley Wash is practically gone. Danger of high water from snow melt no longer exists.

Lake Mead contains about 1,000,000 acre feet less water than last year at this time.

Walker Basin

Mono Walker River near Coleville is forecast to flow 1[illegible],000 acre feet from April through July. This is 15[illegible] percent of last year and 75 percent of the 15 year normal. Cumulative discharge since October 1 is 57 percent of median. Mono Reservoir contained 27,[illegible] acre feet in storage on April 1. This is 5,000 acre feet less than last year and only 40 percent of capacity. The Reservoir will probably fill this year.

April through August flow of East Walker River near Bridgeport is forecast at 65,000 acre feet. This is twice the flow of last year and almost 90 percent of normal. Bridgeport Reservoir stored 20,000 acre feet on April 1, which is slightly less than last year and about 50 percent of capacity. The reservoir will probably fill this year.

Carson Basin

East Carson River near Gardnerville is forecast to flow 180,000 acre feet, which is more than was available last year and 86 percent of the long time normal. Stream discharge will probably remain above 200 second feet until the last week in July.

April through July flow of West Carson at Woodfords is forecast at 50,000 acre feet. This is slightly more than the runoff of last year and almost 80 percent of normal.

Water supplies from local drainages in Upper Carson Valley which are dependent upon low elevation snow should be better than any year since 1941.

Flow at Fort Churchill is forecast at 135,000 acre feet or 69 percent of the 45 year normal and about 20 percent greater than last year.

Lahontan Reservoir contained 197,000 acre feet on April 1 of this year compared to 189,000 last year and 248,000 for the 1938-47 average for this date. This years storage is almost 70 percent of capacity.

Tahoe Basin

April 1 storage in Lake Tahoe was 183,000 acre-feet. This is 68 percent of the stored water last year and only 36 percent of the past ten year average for this date. Truckee Basin Water Committee forecasts a maximum storage, assuming gates closed, of 359,000 acre feet. This is 77 percent of last year and 62 percent of the 45 year normal. When storage drops below 200,000 acre feet it becomes difficult to release sufficient water from the Lake to satisfy decreed rates of flow in Truckee River.

Truckee Basin

Truckee Basin Water Committee forecasts the April-July flow of Truckee River at Farad, to be 250,000 acre feet. This is 118 percent of last year and 86 percent of the 45 year normal.

STATUS OF RESERVOIR STORAGE, APRIL 1, 1949

BASIN and STREAM	RESERVOIR	USABLE CAPACITY (THOUS. A.F.)	THOUSANDS ACRE FEET IN STORAGE ABOUT APR.1				
			1949	1948	1947	1946	10-yr.avg. 1938-1947
Owyhee	Wildhorse	33	6	6	19	24	15[a]
Lower Humboldt	Pitt Taylor	27	0	0	23	19	22[b]
Lower Humboldt	Rye Patch	178	65	120	186	187	180[c]
Tahoe	Tahoe	750	183	268	534	589	509
Carson	Lahontan	286	197	189	246	250	245
West Walker	Topaz	59	22	25	52	55	48
East Walker	Bridgeport	42	20	24	44	43	39
Colorado	Mead	27,935	17,735	18,620	16,383	17,776	19,229[d]

a - Average for years 1940 - 1947

b - Average for years 1938 - 1941, 1945 - 1947

c - Average for years 1943 - 1947

d - Average for years 1939 - 1947

NEVADA SNOW SURVEYS APRIL 1, 1949

DRAINAGE BASIN and SNOW COURSE	Number	LOCATION Sec.	Twp.	Rge.	Elev.	Date of Survey	Snow Depth (inches)	SNOW COVER MEASUREMENTS Water Content (inches) 1949	Same Approx. date 1948	1947	Past Record Years of Record	Av. Water Content (inches)
SNAKE RIVER												
Bear Creek	1	31	46N	58E	7800	3/30	77.2	24.4	20.0	15.0	6	19.2
Fox Creek	2	33	46N	58E	6800	3/29	41.5	13.9	7.6	2.8	12	8.0
76 Creek	4	6	44N	58E	7100		No Survey		11.3	6.7	3	11.1
Gold Creek	5	31	45N	56E	6600	3/28	28.9	9.5	5.8	0	9	5.8
Big Bend	6	30	45N	56E	6700	3/28	42.4	15.2	8.3	3.6	21	9.1
OWYHEE RIVER												
Lower Buckskin	1	25	45N	39E	6700	4/3	39.5	14.2	10.2	0	8	7.5
Upper Buckskin	2	11	45N	39E	7200	4/4	29.6	9.1	10.4	1.4	13	11.1
Martin Creek	3	18	44N	40E	6700	4/2	26.3	8.6	9.7	1.1	8	8.3
Granite Peak	4	22	44N	39E	7800	4/2	31.4	8.9	9.7	7.2	9	11.8
Gold Creek	5	31	45N	56E	6600	3/28	28.9	9.5	5.8	0	9	5.8
Big Bend	6	30	45N	56E	6700	3/28	42.4	15.2	8.3	3.6	21	9.1
Fry Canyon	7	31	43N	54E	6700	3/29	44.5	15.0	7.9	4.4	8	8.5
Rodeo Flat	8	36	43N	53E	6800	3/29	47.0	16.2	9.1	4.2	8	9.3
Lower Jack Creek	9	18	42N	53E	6800	3/31	15.4	4.5	4.7	0	14	4.3
Upper Jack Creek	10	9	42N	53E	7250	3/31	43.0	14.3	11.6	4.2	8	10.1
Tremewan Ranch	11	9	39N	55E	5700	3/30	13.1	4.6	0	0	7	0.1
Taylor Canyon	12	35	39N	53E	6200	3/30	29.4	8.9	0.5	0	8	3.3

NEVADA SNOW SURVEYS APRIL 1, 1949

DRAINAGE BASIN and SNOW COURSE	LOCATION Number	Sec.	Twp.	Rge.	Elev.	Date of Survey	Snow Depth (inches)	SNOW COVER MEASUREMENTS Water Content (inches) 1949	Same Approx. date 1948	1947	Past Record Years of Record	Av. Water Content (inches)
UPPER HUMBOLDT												
Bear Creek	1	31	46N	58E	7800	3/30	77.2	24.4	20.0	15.0	6	19.2
Fox Creek	2	33	46N	58E	6800	3/29	41.5	13.9	7.6	2.8	12	8.0
76 Creek	4	6	44N	58E	7100	No	Survey		11.3	6.7	3	11.1
Gold Creek	5	31	45N	56E	6600	3/28	28.9	9.5	5.8	0	9	5.8
Big Bend	6	30	45N	56E	6700	3/28	42.4	15.2	8.3	3.6	21	9.1
Fry Canyon	7	31	43N	54E	6700	3/29	44.5	15.0	7.9	4.4	8	8.5
Rodeo Flat	8	36	43N	53E	6800	3/29	46.9	16.2	9.1	4.2	8	9.3
Lower Jack Creek	9	18	42N	53E	6800	3/31	15.4	4.5	4.7	0	14	4.3
Upper Jack Creek	10	9	42N	53E	7250	3/31	43.0	14.3	11.6	4.2	8	10.1
Tremewan Ranch	11	9	39N	55E	5700	3/30	13.1	4.6	0	0	7	0.1
Taylor Canyon	12	35	39N	53E	6200	3/30	29.4	8.9	0.5	0	8	3.3
Lower Trout Creek	13	28	37N	61E	6900	3/31	22.3	7.0	No Survey	0	3	1.9
Upper Trout Creek	14	4	36N	61E	8500	3/31	77.2	28.8	" "	21.5	3	30.2
Dorsey Basin	15	28	35N	60E	8100	4/2	54.4	18.4	11.9	6.4	7	16.1
Ryan Ranch	16	1	34N	59E	5800	3/31	4.1	2.0	0	0	7	0.6
Dry Creek	17	5	34N	60E	6500	4/1	19.6	8.0	1.8	0	7	3.9
Lamoille #1	18	15	32N	58E	7100	3/29	42.3	12.4	11.2	4.0	17	9.9
Lamoille #2	19	14	32N	58E	7300	3/29	41.6	13.0	12.1	2.9	20	10.4
Lamoille #3	20	24	32N	58E	7700	3/29	53.2	18.2	15.2	7.0	14	13.8
Lamoille #4	21	19	32N	59E	8000	3/28	72.5	24.0	20.7	13.5	8	19.1
Lamoille #5	22	31	32N	59E	8700	3/29	88.2	29.4	24.4	23.6	11	26.8
Green Mountain	23	23	29N	57E	8000	No	Survey		14.1	4.4	7	14.0
Harrison Pass #1	24	9	28N	57E	6600	3/31	23.0	9.0	5.5	0	12	5.2
Harrison Pass #2	25	16	28N	57E	7400	3/31	30.6	11.0	7.1	0	7	4.8
Corral Canyon	26	27	28N	57E	8500	No	Survey		17.5	14.8	7	19.5

NEVADA SNOW SURVEYS, APRIL 1, 1949

LOCATION								SNOW COVER MEASUREMENTS				
								Water Content (inches)			Past Record	
									Same Approx. date			
DRAINAGE BASIN and SNOW COURSE	Number	Sec.	Twp.	Rge.	Elev.	Date of Survey	Snow Depth (inches)	1949	1948	1947	Years of Record	Av. Water Content (inches)
LOWER HUMBOLDT												
Lower Buckskin	1	25	45N	39E	6700	4/3	39.5	14.2	10.2	0	8	7.5
Upper Buckskin	2	11	45N	39E	7200	4/4	29.6	9.1	10.4	1.4	13	11.1
Martin Creek	3	18	44N	40E	6700	4/2	26.3	8.6	9.7	1.1	8	8.3
Granite Peak	4	22	44N	39E	7800	4/2	31.4	8.9	9.7	7.2	9	11.8
Lamance Creek	5	13	42N	38E	6600	4/1	33.1	11.9	5.3	0	4	5.9
Midas	6	18	39N	46E	7200	4/1	25.2	8.0	1.4	0	8	2.0
Big Creek Camp Ground	7	10	17N	43E	6000	4/3	11.7	5.4	3.5	0	7	2.0
Big Creek Mine	8	23	17N	43E	7000	4/3	23.5	9.5	5.1	0	7	3.9
Upper Big Creek	9	26	17N	43E	8000	4/3	24.3	10.3	10.5	6.2	7	9.7
Lower Corral	10	12	11N	40E	7500	4/2	4.4	2.5	3.9	0	7	2.1
Upper Corral	11	20	11N	41E	8500	4/2	19.4	7.9	8.7	0	7	6.0
EASTERN NEVADA												
Cave Creek	1	25	27N	57E	7000	3/31	52.1	24.2	14.5	6.8	8	13.4
Hager Canyon	2	34	27N	57E	8500	3/31	66.8	25.7	18.0	11.9	8	18.8
Murray Summit	3	25	18N	62E	7250	3/31	19.2	5.8	4.2	0	11	3.1
Baker #1	4	29	13N	69E	7950	4/5	32.8	11.6	8.9	2.1	7	6.0
Baker #2	5	30	13N	69E	8950	4/5	60.5	20.0	14.4	19.8	7	18.4
Baker #3	6	25	13N	68E	9250	4/5	63.1	20.5	17.0	22.4	7	19.9
Berry Creek	7	26	17N	65E	9100	3/30	57.4	18.9	14.2	New	Course	
Bird Creek	8	34	19N	65E	7500	3/29	22.9	7.3	6.8	New	Course	

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DRAINAGE BASIN and SNOW COURSE	LOCATION Number	Sec.	Twp.	Rge.	Elev.	Date of Survey	Snow Depth (inches)	SNOW COVER MEASUREMENTS Water Content (inches) 1949	Same Approx. date 1948	1947	Past Record Years of Record	Av. Water Content (inches)
LOWER COLORADO												
Rainbow Canyon	1	31	19S	57E	7800	3/29	46.1	17.1	12.6	6.4	8	12.7
Kyle Canyon	2	26	19S	56E	8200	3/29	45.9	16.8	10.5	2.8	7	11.2
Lee Canyon #1	3	10	19S	56E	8300	3/31	64.0	18.7	9.4	4.8	8	10.0
Lee Canyon #2	4	9	19S	56E	9000	4/1	70.2	20.3	8.0	5.2	7	11.7
Rainbow Canyon #2	5	6	20S	57E	8100	3/29	55.0	20.6	14.8	12.3	2	13.6
Mathew Canyon	8	11	5S	70E	6000	4/2	2.4	0.9	New	Snow	Course	
Pine Canyon	9	11	6S	69E	6200	4/3	5.7	2.3	"	"	"	
CENTRAL GREAT BASIN												
Clark Canyon	1	8	19S	56E	9000	4/1	61.6	18.0	8.1	5.2	4	9.0
Trough Springs	2	23	18S	55E	8500	4/3	51.8	14.3	7.2	1.6	3	5.2
McAfee Forks (Cal.)	3	1	4S	34E	7500	4/2	12.0	5.6	0	New Course		
Roberts Ranch (Cal.)	4	11	6S	35E	8300	3/30	3.5	1.0	0	No Survey	2	1.1
Goat Spring (Cal.)	5	13	6S	34E	10300	3/30	26.0	8.6	0	" "	2	2.7
Sage Hen Flats (Cal.)	6	29	5S	35E	10500	3/29	30.4	9.5	1.8	" "	2	3.7
Ranger Station (Cal.)	7	14	5S	35E	9500	3/28	24.9	7.6	0.9	" "	2	1.7
White Mountain (Cal.)	8	9	4S	34E	12000	3/29	35.7	15.0	New	Snow	Course	
NORTHERN GREAT BASIN												
Bald Mountain	1	17	45N	21E	6720	3/31	27.5	9.1	2.2	0	9	2.3
Disaster Peak	2	18	47N	34E	6500	4/2	39.4	14.4	New	Snow	Course	

NEVADA SNOW SURVEYS APRIL 1, 1949

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TAHOE												
Lake Lucille (Cal)	1	28	12N	17E	8400	4/2	149.3	57.9	43.8	49.3	35	56.2
Rubicon #1 (Cal.)	2	6	13N	17E	8100	4/3	122.7	45.2	26.1	41.8	33	45.4
Hagans Meadow (Cal.)	3	36	12N	18E	8000	4/3	57.1	22.4	10.1	13.6	31	16.5
Freel Bench (Cal.)	4	36	12N	18E	7300	4/3	40.7	16.2	6.7	4.6	19	9.9
Ward Creek (Cal.)	5	21	15N	16E	7000	4/2	115.4	48.2	30.6	37.8	36	43.9
Upper Truckee (Cal.)	7	21	12N	18E	6400	4/3	34.1	13.7	2.8	0.6	19	6.4
Tahoe City (Cal.)	8	6	15N	17E	6250	4/2	46.1	22.5	5.5	0.0	38	12.9
Rubicon #2 (Cal.)	9	6	13N	17E	7500	4/3	77.6	30.8	18.1	25.9	30	28.6
Rubicon #3 (Cal.)	10	32	14N	17E	6700	4/3	67.6	25.5	12.4	13.1	9	20.0
Richardsons #2 (Cal.)	11	6	12N	18E	6500	4/4	55.5	22.8	9.8	7.2	5	13.5
Echo Summit (Cal.)	12	6	11N	18E	7500	4/1	99.5	37.2	27.2	30.1	9	38.5
Marlette Lake	13	13	15N	18E	8000	4/5	55.4	19.0	12.6	20.5	32	23.1
Daggetts Pass	14	19	13N	19E	7350	4/3	41.4	16.2	6.7	7.6	33	13.1
Glenbrook #2	15	13	14N	18E	6900	4/4	38.2	14.2	8.0	10.0	7	14.2
Mt. Rose	16	7	17N	19E	9000	4/1	78.2	27.9	13.5	28.9	39	31.1
TRUCKEE												
Granite Peak (Cal.)	1	24	19N	17E	8200	No Survey		No Survey		17.2	24	19.0
Independence Lake (Cal.)	2	9	18N	15E	8450	4/3	96.6	36.6	24.8	31.7	12	41.0
Webber Peak (Cal.)	3	30	19N	14E	8000	4/2	117.0	43.0	30.0	30.0	27	40.1
Donner Summit (Cal.)	4	25	17N	14E	6900	3/28	101.7	42.0	24.8	24.8	38	38.6
Ward Creek (Cal.)	5	21-	15N	16E	7000	4/2	115.4	48.2	30.9	30.9	36	43.9
Webber Lake (Cal.)	6	20	19N	14E	7000	4/2	90.0	35.0	19.5	19.5	24	29.2

NEVADA SNOW SURVEYS APRIL 1, 1949

LOCATION								SNOW COVER MEASUREMENTS				
								Water Content (inches)			Past Record	
								Same Approx. date				
DRAINAGE BASIN and SNOW COURSE	Number	Sec.	Twp.	Rge.	Elev.	Date of Survey	Snow Depth (inches)	1949	1948	1947	Years of Record	Av. Water Content (inches)
TRUCKEE (Con't.)												
Sage Hen Creek (Cal.)	7	7	18N	16E	6500	4/2	52.6	20.6	6.4	9.7	12	17.6
Tahoe City (Cal.)	8	6	15N	17E	6250	4/2	46.1	22.5	5.5	0	38	12.6
Truckee #2 (Cal.)	9	22	17N	16E	6400	4/2	49.6	18.9	7.4	6.8	19	14.3
Independence Creek (Cal.)	10	14	19N	15E	6300	4/4	42.6	15.6	4.2	4.4	12	12.7
Boca #2 (Cal.)	11	28	18N	17E	5900	No	Survey		No	Survey	15	5.0
Furnace Flat (Cal.)	12	10	17N	13E	6600	4/4	113.7	48.5	28.7	28.6	30	43.7
Fordyce Lake (Cal.)	13	34	18N	13E	6500	4/5	110.4	49.6	23.0	20.7	31	37.5
Soda Springs (Cal.)	14	23	17N	14E	6750	3/23	87.6	36.3	19.5	23.1	20	34.3
Independence Camp (Cal.)	15	34	19N	15E	7000	4/2	62.5	25.0	12.1	12.7	8	20.6
Mt. Rose	16	7	17N	19E	9000	4/1	78.2	27.9	13.5	28.9	39	31.1
Truckee Ranger Sta. (Cal.)	17	10	17N	16E	6000	3/31	43.7	16.2	6.5	0	4	7.5
Donner Lake (Cal.)	18	14	17N	15E	5950	4/2	72.3	30.0	12.0	8.8	5	18.8
Big Meadows	19	15	18N	18E	8800	4/4	46.3	18.7	16.7	16.4	26	23.3
Little Valley	20	17	16N	19E	6300	3/31	42.6	21.7	2.6	0.3	7	8.2
CARSON												
Carson Pass (Cal.)	1	22	10N	18E	8600	3/26	95.3	35.4	33.4	30.5	19	36.7
Poison Flat (Cal.)	2	25	8N	21E	7900	4/6	54.2	20.9	8.3	9.4	7	13.7
Blue Lakes (Cal.)	3	30	9N	19E	8000	3/26	100.1	36.3	25.0	30.1	30	35.2
Clear Creek	4	16	14N	19E	7300	4/3	40.2	16.3	New	Snow	Course	

NEVADA SNOW SURVEYS APRIL 1, 1949

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WALKER												
Center Mountain (Cal.)	1	4	3N	23E	9400	4/1	108.6	39.9	22.8	30.9	26	34.3
Sonora Pass (Cal.)	2	1	5N	21E	8800	4/5	68.1	27.0	14.1	17.9	17	24.2
Buckeye Forks (Cal.)	3	20	4N	23E	8500	3/31	66.7	22.7	12.1	16.1	18	19.4
Virginia Lakes (Cal.)	4	5	2N	25E	9500	3/25	53.8	18.5	10.4	15.9	2	13.2
Willow Flat (Cal.)	5	21	5N	23E	8250	3/29	38.5	12.2	5.5	7.9	15	10.9
Buckeye Roughs (Cal.)	6	15	4N	23E	7900	3/31	71.4	25.0	8.1	15.0	26	20.7
Leavitt Meadows (Cal.)	7	4	5N	22E	7200	4/5	32.5	11.9	3.1	1.4	19	7.7
Tioga Pass (Cal.)	8	30	1N	25E	9900	4/1	47.6	14.9	15.7	19.4	19	25.7

SNOW SURVEYORS

April 1949

V. Arzuaga
A. Barnhill
B. Bell
M. Benson
W. Birdsall
M. Bishop
T. Blohm
T. Brierley
A. Chase
J. Church
P. Cowgill
E. Dillwith
W. Dillwith
G. Doll
J. Dove
J. Ferguson
M. Follstad
R. Gardner
C. Gnevo
D. Goodale
B. Halliday
E. Hance
H. Hansen
E. Hanson
R. Harrington
J. Hart
V. Hart
R. Hauk
J. Hess
C. Houston
J. Hunnicutt
D. Jewett
K. Jones
C. Karplus
J. Kingsley
R. Kuehner
A. Lamson
R. Law
A. Lincoln
G. Martin
W. Mason
C. Matson
E. McKinnon
A. Murchie
B. Murphy
E. Murphy, Jr.
E. Naanes
G. Neuharth
M. Neuharth
E. Ford
P. Ogden
R. Patch
B. Peterson
J. Pescio
W. Price
E. Raiford
F. Richardson
R. Ross
C. Salls
L. Sawyer
D. Schmidtlein
J. Silva
G. Slovik
B. Smith
L. Smith
M. Steninger
G. Swainston
A. Swindlehurst
A. Te Selle
G. Warren
J. Watts
L. Wilkerson
J. Wilkerson
F. Woods
L. Woods
A. Wright